

06-17-02


CPA/2800

PTO/SB/29 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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	<b>CONTINUED PROSECUTION APPLICATION (CPA)</b> <b>LARGE ENTITY REQUEST TRANSMITTAL</b>	
	Submit an original, and a duplicate for fee processing (Only for Continuation or Divisional applications under 37 CFR 1.53(d))	
		CHECK BOX, if applicable <input type="checkbox"/> DUPLICATE

Address to:  Assistant Commissioner for Patents Box CPA Washington, DC 20231	Attorney Docket No. of Prior Application	MTS-3181US
	First Named Inventor	Emiko IGAKI
	Examiner Name	L. Tran
	Group / Art Unit	2853
	Express Mail Label No.	EV050915275US

This is a request for a ☒ continuation or ☐ divisional application under 37 CFR 1.53(d),  
 (continued prosecution application (CPA)) of prior application number 09/471,981  
 filed on December 23, 1999, entitled INK-JET RECORDING HEAD.

### NOTES

**FILING QUALIFICATIONS:** The prior application identified above must be a nonprovisional application that is either: (1) complete as defined by 37 CFR 1.51(b), or (2) the national stage of an international application in compliance with 35 U.S.C. 371. Effective May 29, 2000, a CPA may only be filed in a utility or a plant application if the prior nonprovisional application was filed before May 29, 2000. A CPA may be filed in a design application regardless of the filing date of the prior application. See "Request for Continued Examination Practice changes to and Provisional Application Practice," Final Rule, 65 Fed. Reg. 50092 (Aug. 16, 2000); Interim Rule, 65 Fed. Reg. 14865 (Mar. 20, 2000), 1233 Off. Gaz. Pat. Office (Apr. 11, 2000).

**C-I-P NOT PERMITTED:** A continuation-in-part application cannot be filed as a CPA under 37 CFR 1.53(d), but must be filed under 37 CFR 1.53(b).

**EXPRESS ABANDONMENT OF PRIOR APPLICATION:** The filing of this CPA is a request to expressly abandon the prior application as of the filing date of the request for a CPA. 37 CFR 1.53(b) must be used to file a continuation, divisional, or continuation-in-part of an application that is not to be abandoned.

**ACCESS TO PRIOR APPLICATION:** The filing of this CPA will be construed to include a waiver of confidentiality by the applicant under 35 U.S.C. 122 to the extent that any member of the public who is entitled under the provisions of 37 CFR 1.14 to access to, copies of, or information concerning, the prior application may be given similar access to, copies of, or similar information concerning, the other application or applications in the file jacket.

**35 U.S.C. 120 STATEMENT:** In a CPA, no reference to the prior application is needed in the first sentence of the specification and none should be submitted. If a sentence referencing the prior application is submitted, it will not be entered. A request for a CPA is the specific reference required by 35 U.S.C. 120 and to every application assigned the application number identified in such request, 37 CFR 1.78(a).

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

- ☐ Enter the unentered amendment previously filed on under 37 CFR 1.116 in the prior nonprovisional application
- ☒ A preliminary amendment is enclosed.
- ☐ This application is filed by fewer than all the inventors named in the prior application, 37 CFR 1.53 (d)(4).
  - ☐ DELETE the following inventor(s) named in the prior nonprovisional application:  
 Adjustment date: 06/19/2002 JADD01  
 06/18/2002 JADD01 00000024 09471871  
 01 FC:131 740.00 OP
  - ☐ The inventor(s) to be deleted are set forth on a separate sheet attached hereto.
- ☐ A new power of attorney or authorization of agent (PTO/SB/81) is enclosed.
- ☐ Information Disclosure Statement (IDS) is enclosed:
  - ☐ PTO-1449  
 06/19/2002 JADD01 00000071 09471981  
 01 FC:131 740.00 OP
  - ☐ Copies of IDS Citations

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box CPA, Washington, DC 20231.

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CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS (37 CFR 1.16(c) or (j))	47 - 20* =	27	x \$ 18 =	\$ 486.00
	INDEPENDENT CLAIMS (37 CFR 1.16(b) or (i))	04 - 3** =	01	x \$ 84 =	84.00
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d))			x \$ 280 =	
				BASIC FEE (37 CFR 1.16)	\$ 740.00
	Total of above Calculations =				\$1,310.00
	Reduction by 50% for filing by small entity (Note 37 CFR 1.27).				N/A
	* Reissue claims in excess of 20 and over original patent.				
	** Reissue independent claims over original patent.				
	TOTAL =				

6. N/A Small entity status: Applicant claims small entity status. See 37 CFR 1.27.

7. ☒ The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. 18-0350:

a. ☒ Fees required under 37 CFR 1.16.

b. ☒ Fees required under 37 CFR 1.17.

c. ☐ Fees required under 37 CFR 1.18.

8. ☒ A check in the amount of \$ 1,310.00 is enclosed.

9. ☐ Payment by credit card. Form PTO-2038 is attached.

10. ☐ Applicant requests suspension of action under 37 CFR 1.103(b) for a period of \_\_\_\_\_ months (not to exceed 3 months) and the fee under 37 CFR 1.17(i) is enclosed.

11. ☐ New Attorney Docket Number, if desired \_\_\_\_\_

[Prior application Attorney Docket Number will carryover to this CPA unless a new Attorney Docket Number has been provided herein.]

12. a. ☐ Receipt For Facsimile Transmitted CPA (PTO/SB/29A)

b. ☒ Return Receipt Postcard (Should be specifically itemized, See MPEP 503)

13. ☒ Other: Certificate of Express Mail

**NOTE:**

The prior application's correspondence address will carry over to this CPA UNLESS a new correspondence address is provided below.

#### 14. NEW CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label



or ☐ New correspondence address below

Name	RatnerPrestia					PATENT TRADEMARK OFFICE
Address	P.O. Box 980					
City	Valley Forge	State	PA	Zip Code	19482	
Country		Telephone		Fax		

#### 15. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print /Type)

Jack J. Jankovitz

Signature

Registration No. (Attorney/Agent)

42,690

Date

June 14, 2002

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): E. Igaki et al.

Docket No.

MTS-3181US

Serial No.

09/471,981

Filing Date

December 23, 1999

Examiner

L. Tran

Group Art Unit

2853

Invention: INK-JET RECORDING HEAD

JUN 14 2002

I hereby certify that the following correspondence:

CPA Transmittal in duplicate; preliminary amendment and its related enclosures

(Identify type of correspondence)

Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to:

The Assistant Commissioner for Patents, Washington, D.C. 20231 on June 14, 2002

Kathleen Libby

(Typed or Printed Name of Person Mailing Correspondence)

Kathleen Libby  
(Signature of Person Mailing Correspondence)EV050915275US

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**Note: Each paper must have its own certificate of mailing.**



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: E. Igaki et al.

Art Unit: 2853

Serial No.: 09/471,981 ✓

Examiner: Ly T. Tran

Filed: December 23, 1999

FOR: INK-JET RECORDING HEAD

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
 Washington, D.C. 20231  
 Box CPA

S I R :

Prior to further examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 2, 6-38, and 64.

Please replace claims 3, 68 and 81 with the following amended claims:

Adjustment date: 06/19/2002 JADD01  
 06/18/2002 JADD01 00000024 09471871  
 02 FC:102  
 03 FC:103

- 1 3. (Amended) An ink-jet recording head comprising at least one
- 2 piezoelectric block having (a) first and second ink pressure chambers, each
- 3 pressure chamber communicating with a nozzle for ejecting ink supplied from
- 4 an ink supply, (b) first and second partition walls, each partition wall serving as
- 5 a driving portion for one of the two ink pressure chambers, each partition wall
- 6 including a piezoelectric element and at least two electrodes for driving said
- 7 piezoelectric element, (c) a pressure buffer chamber, and (d) first and second
- 8 fixed walls,
- 9 wherein at least one of said electrodes is embedded in said partition
- 10 wall,

06/18/2002 JADD01 00000024 09471871  
 02 FC:102  
 03 FC:103

84.00 OP  
 486.00 OP

06/19/2002 JADD01 00000071 09471981

84.00 OP  
 486.00 OP  
 02 FC:102  
 03 FC:103

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